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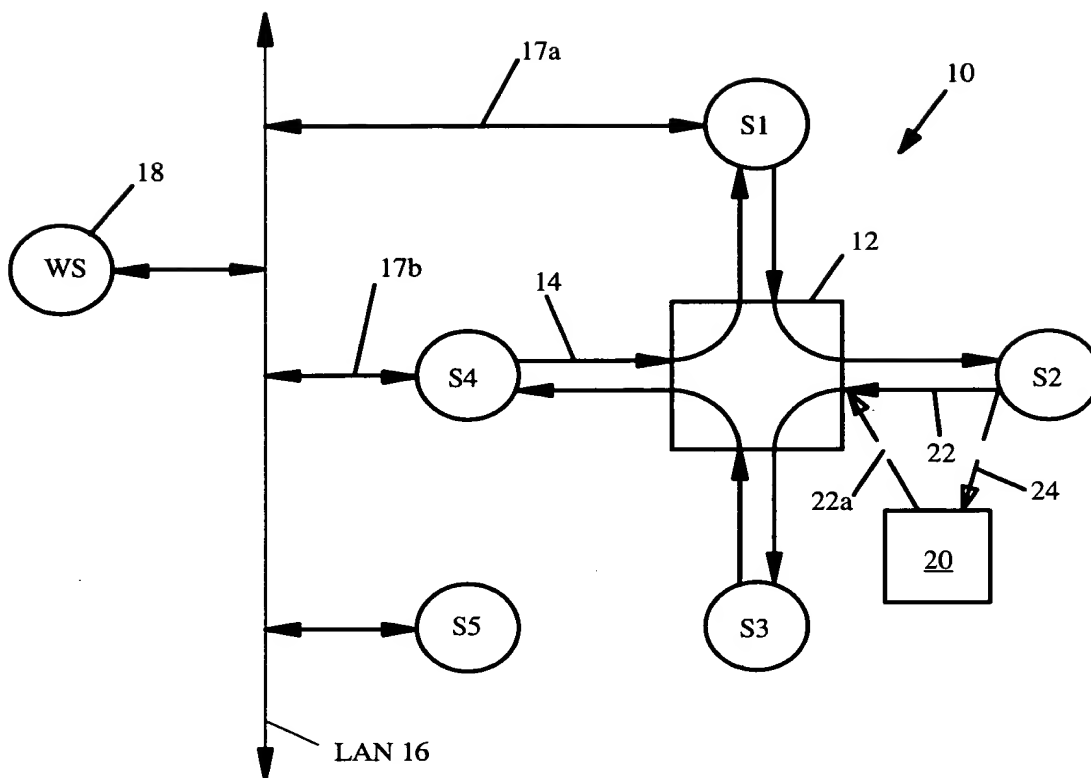
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[illegible]FIGURE 1
(Prior Art)

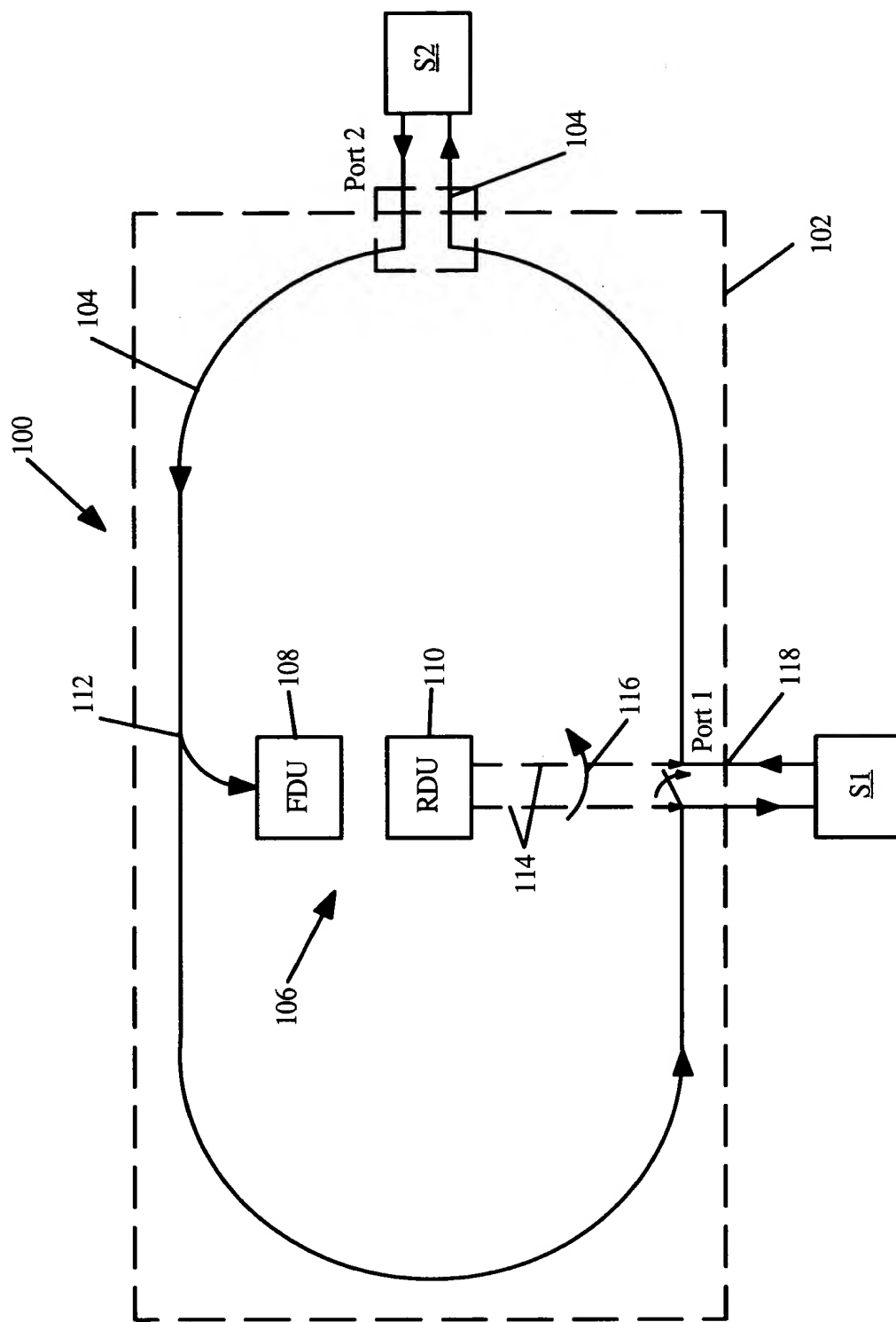


FIGURE 2

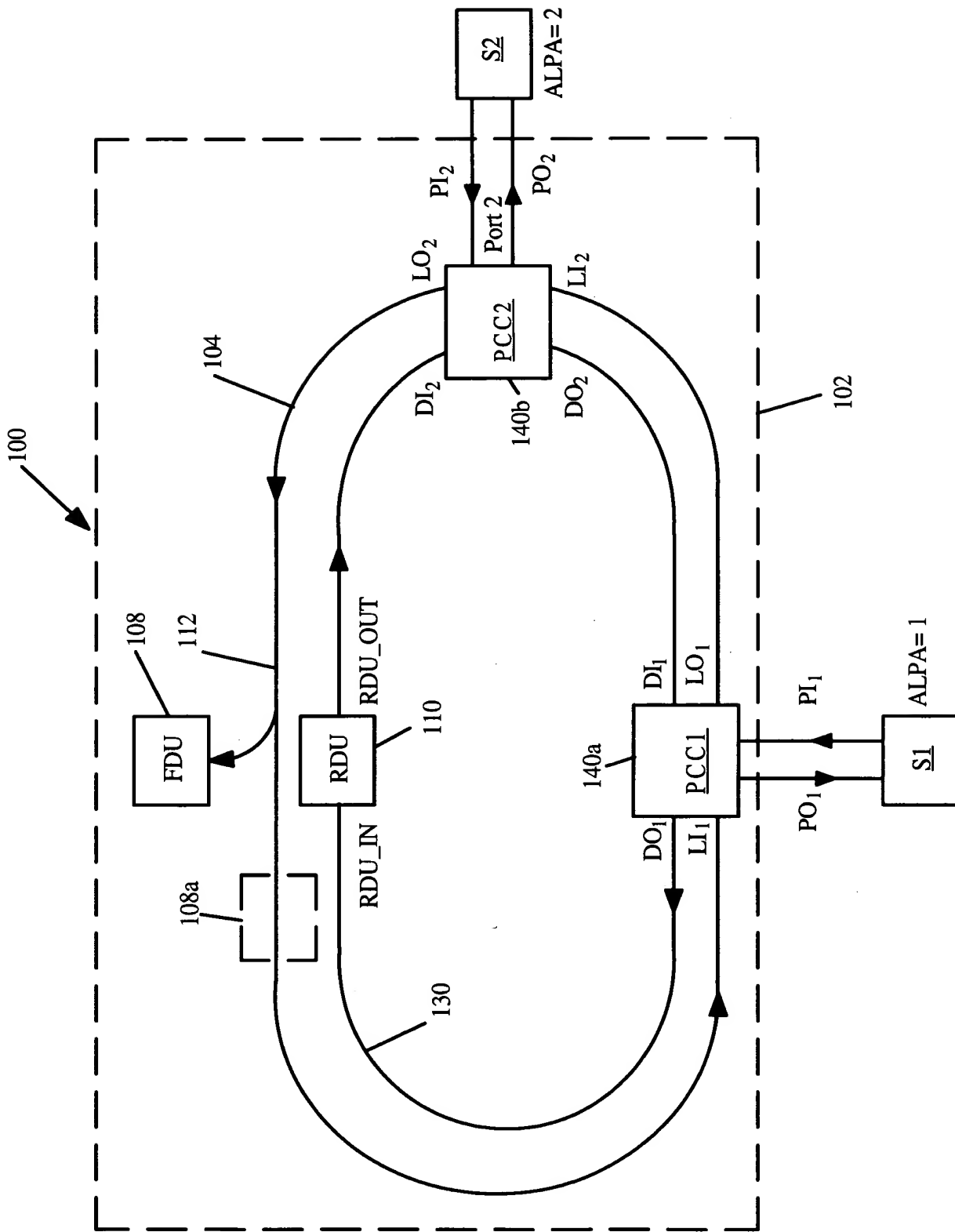


FIGURE 3

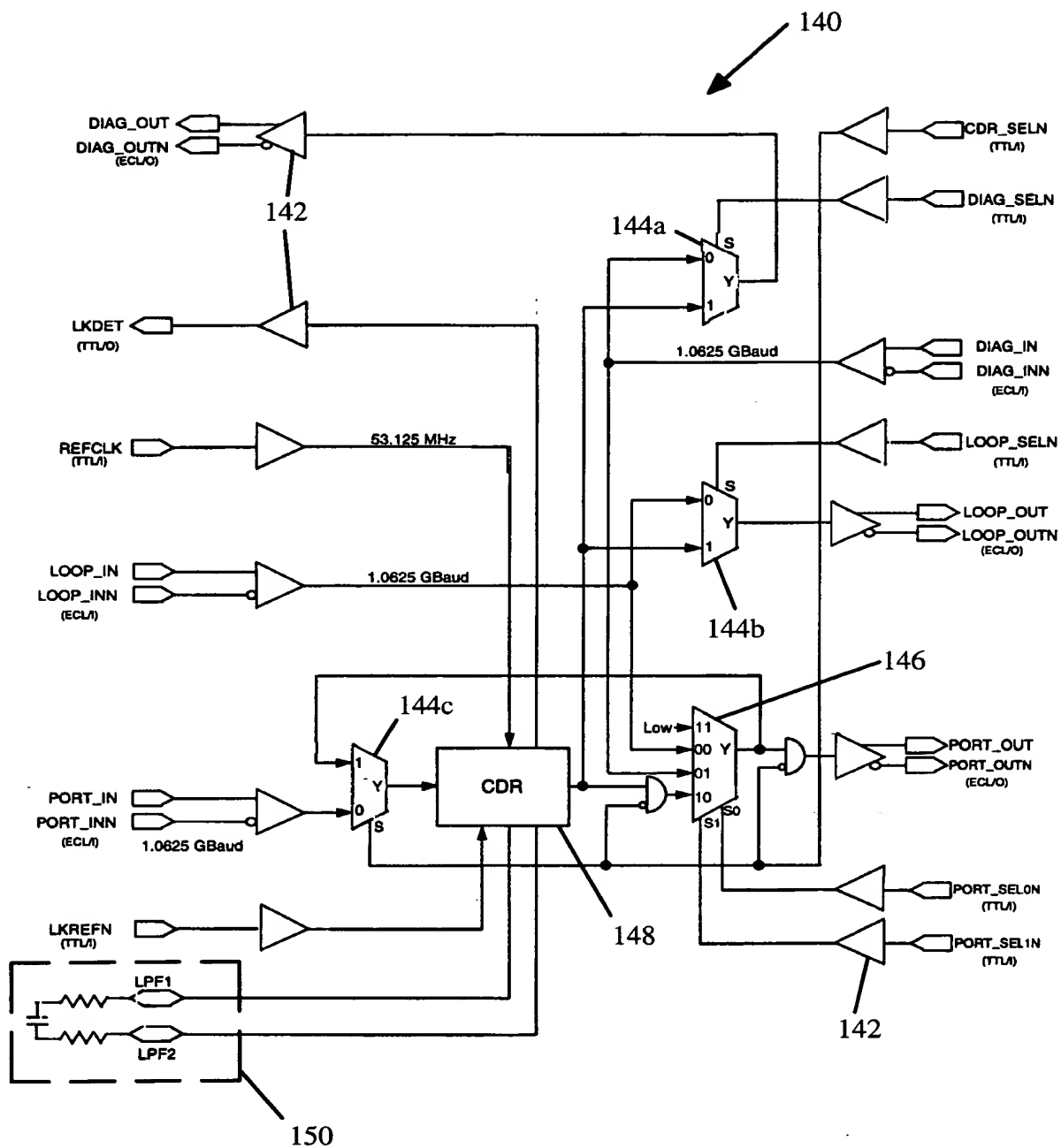


FIGURE 4

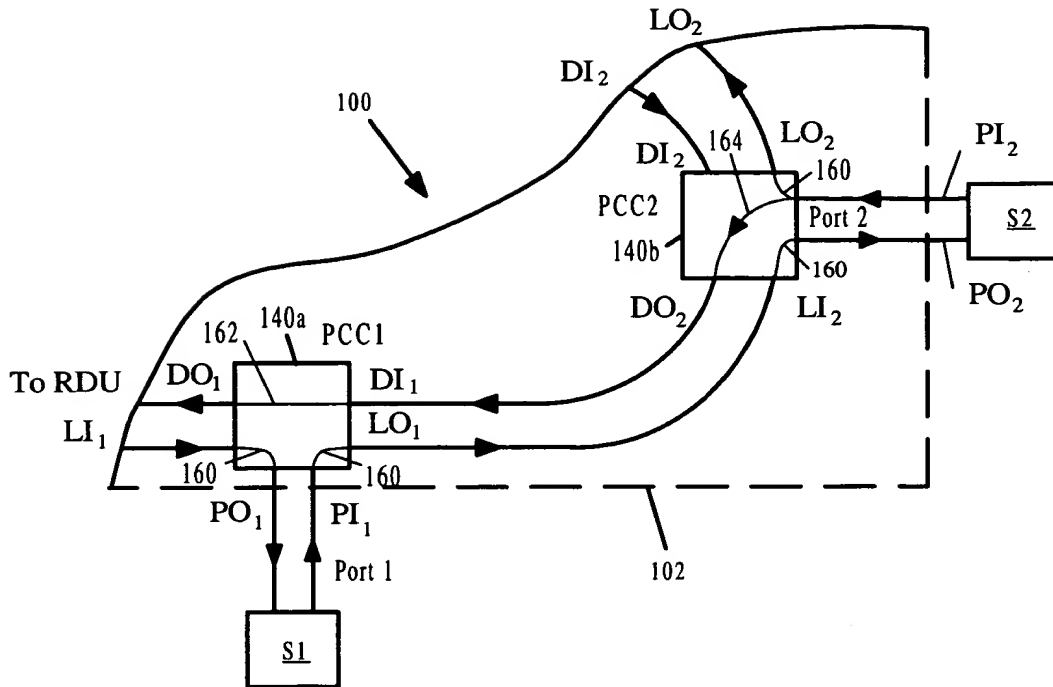


FIGURE 5

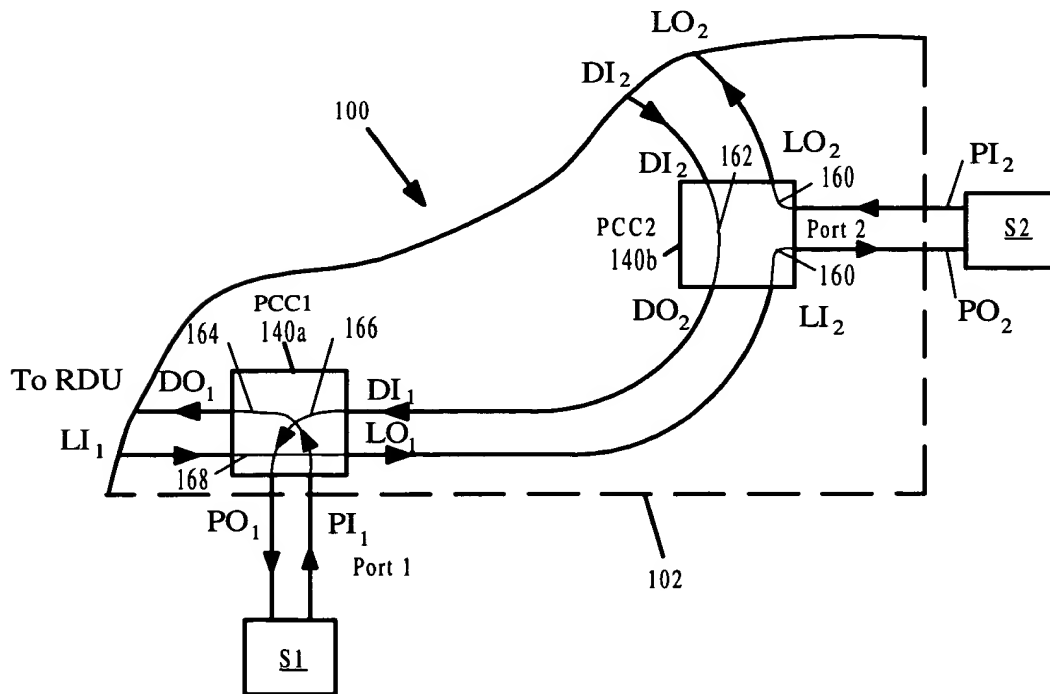
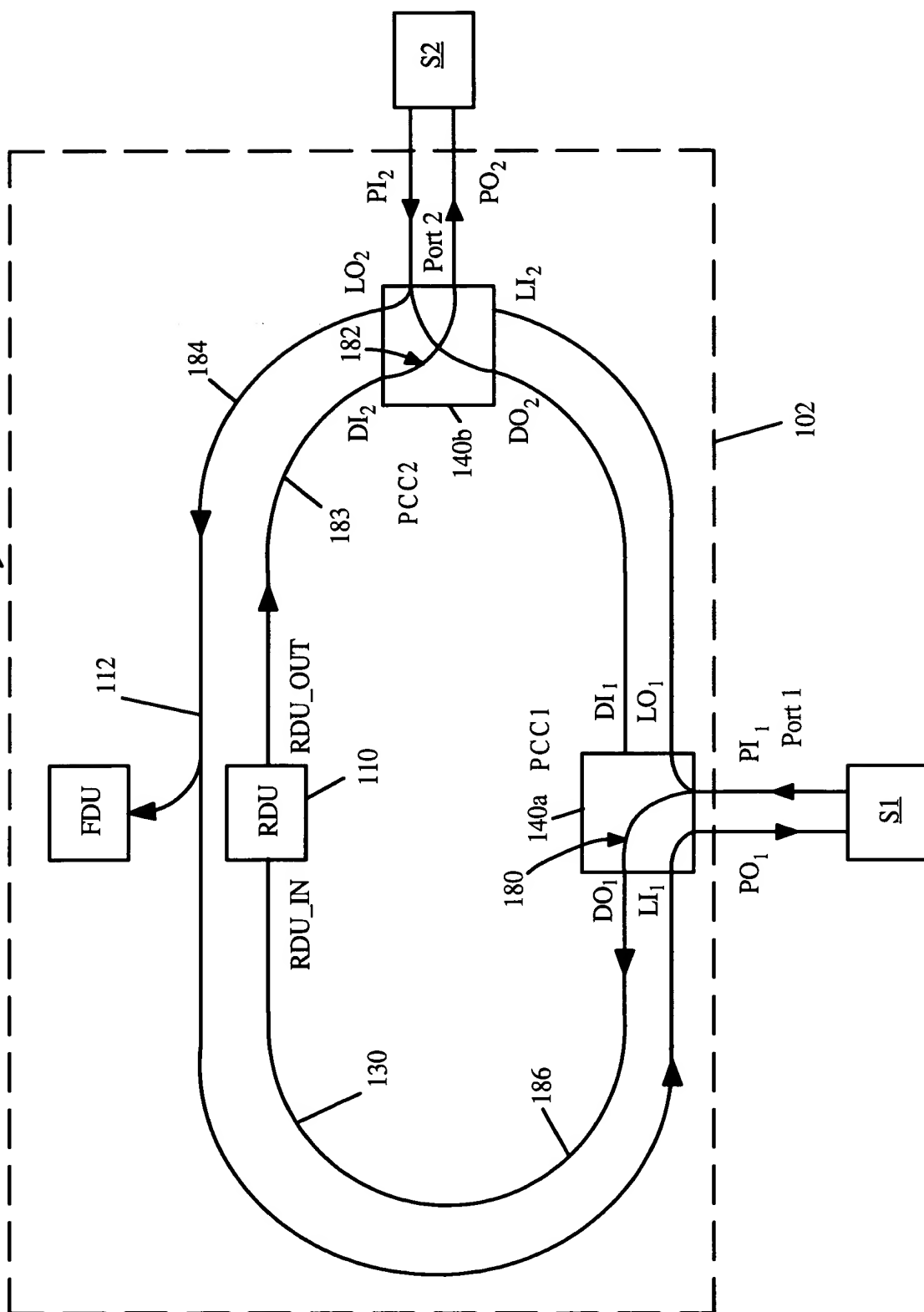


FIGURE 6



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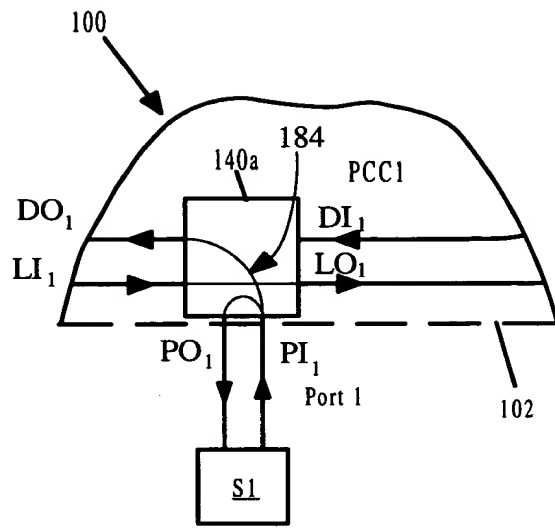


FIGURE 8

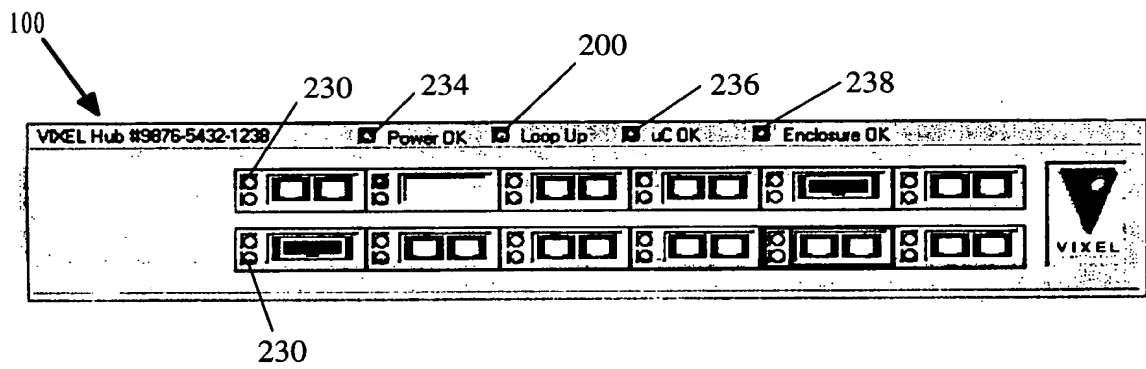


FIGURE 9

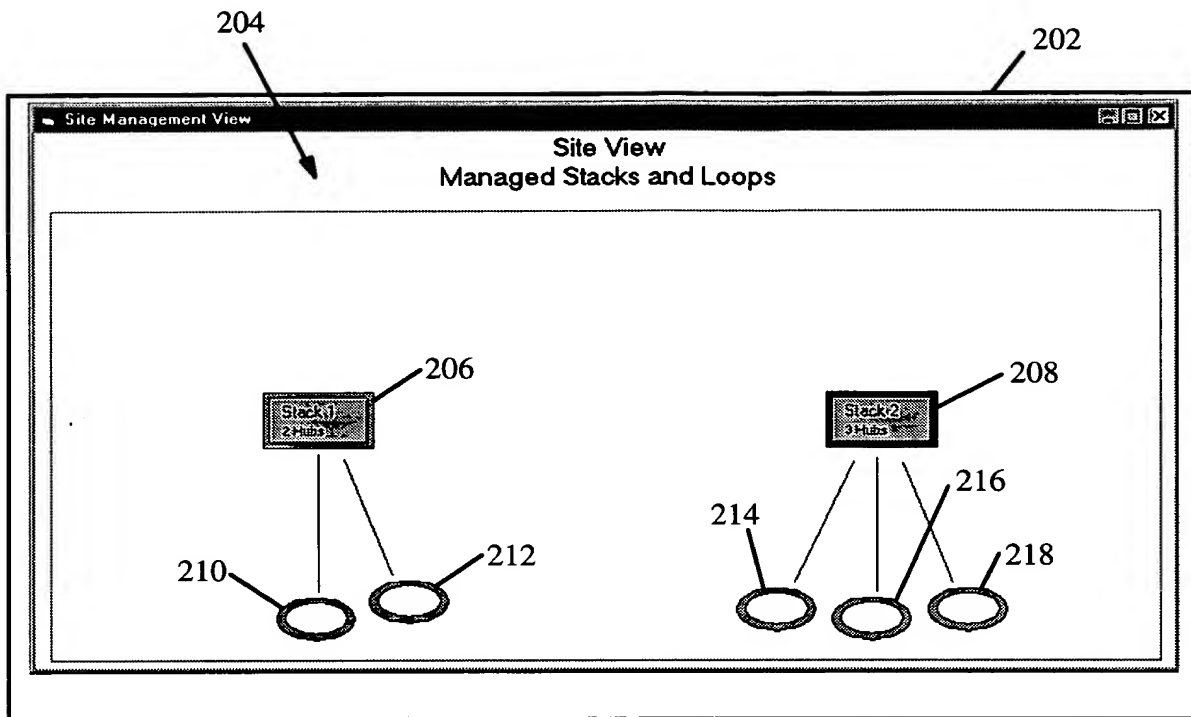


FIGURE 10

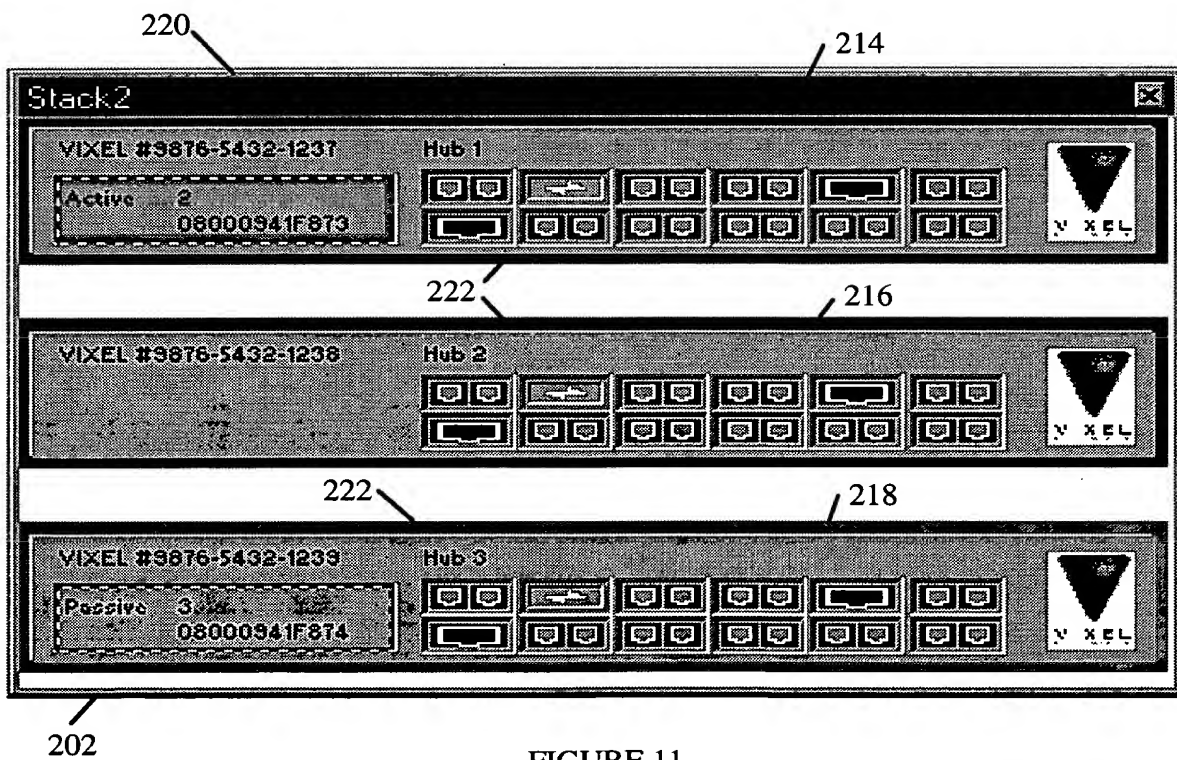


FIGURE 11

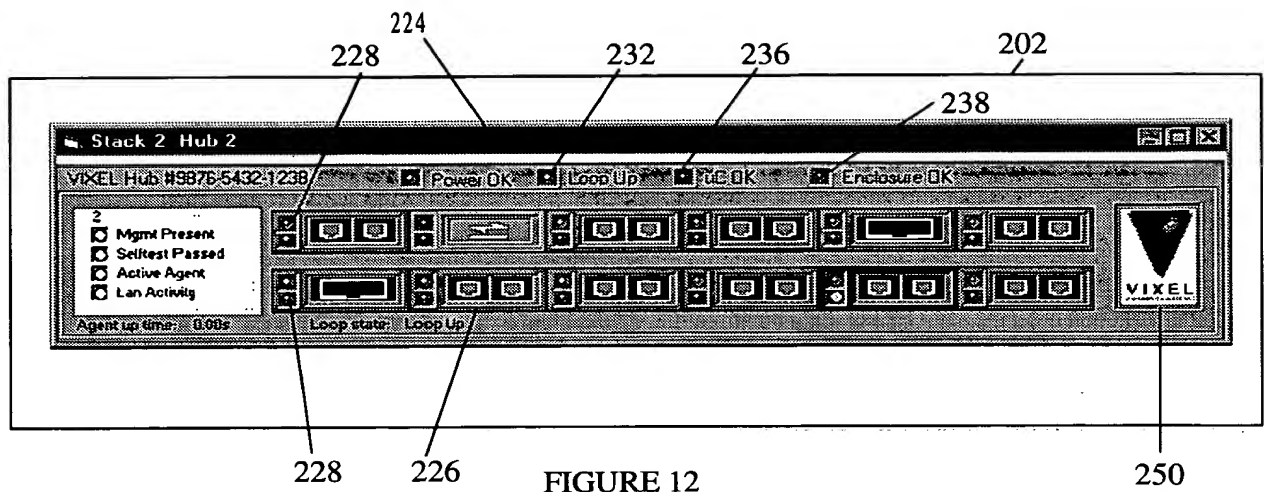


FIGURE 12

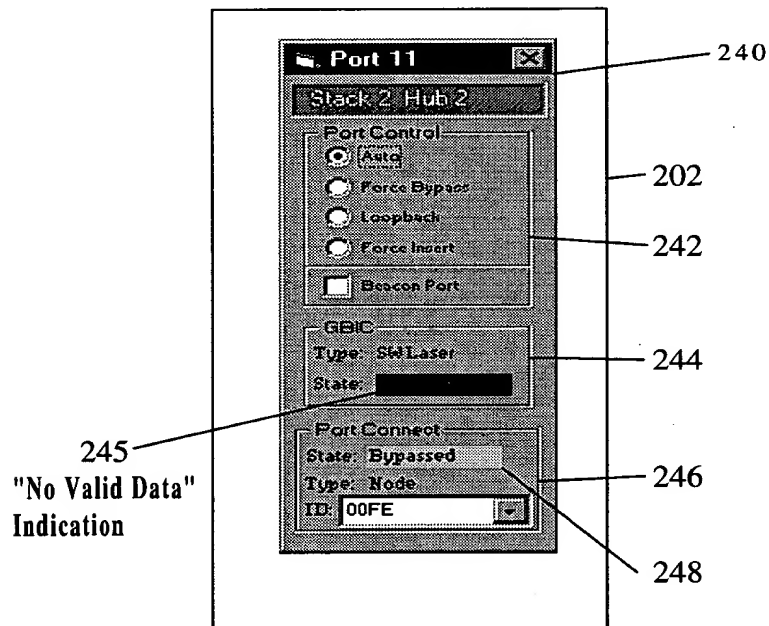


FIGURE 13

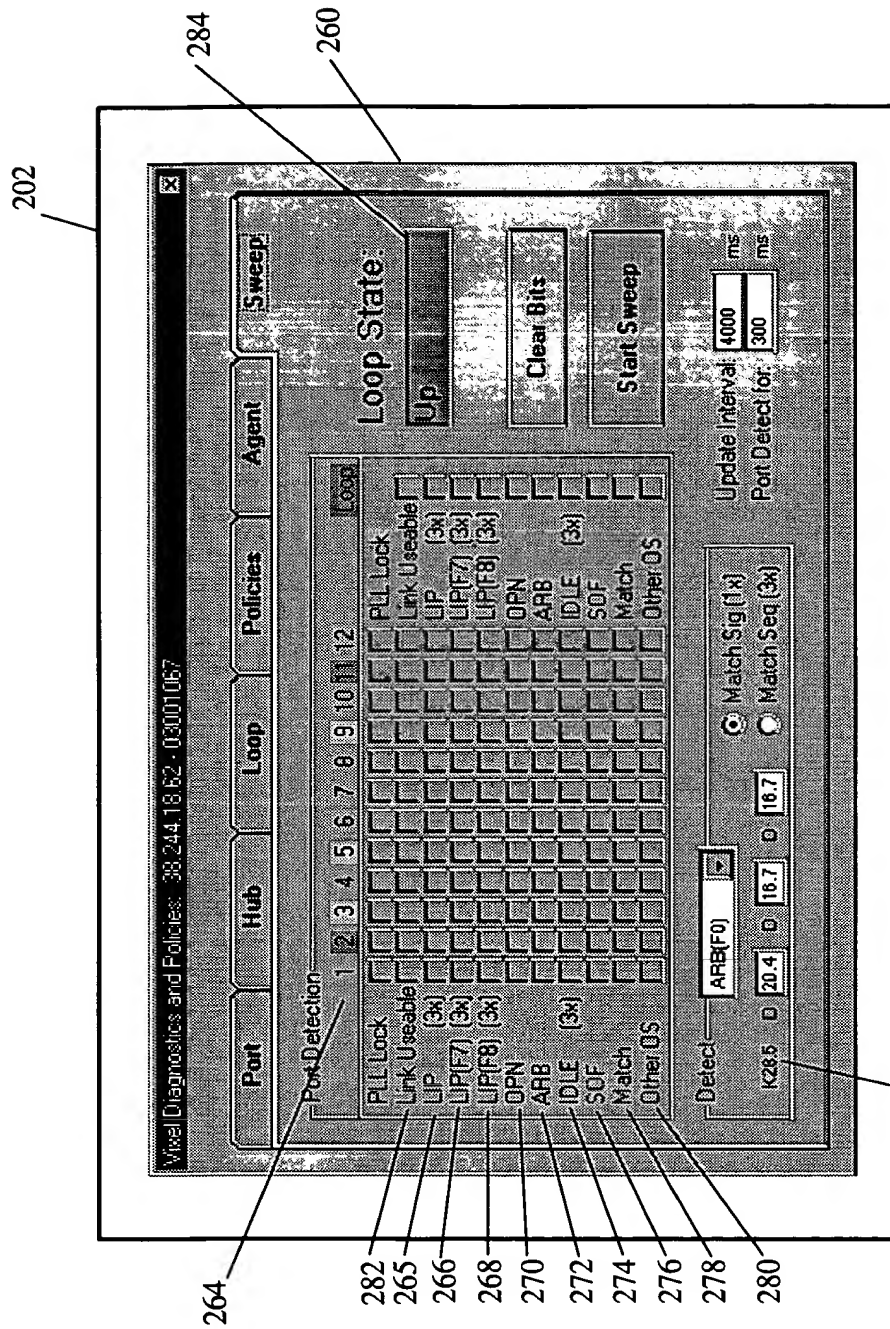


FIGURE 14

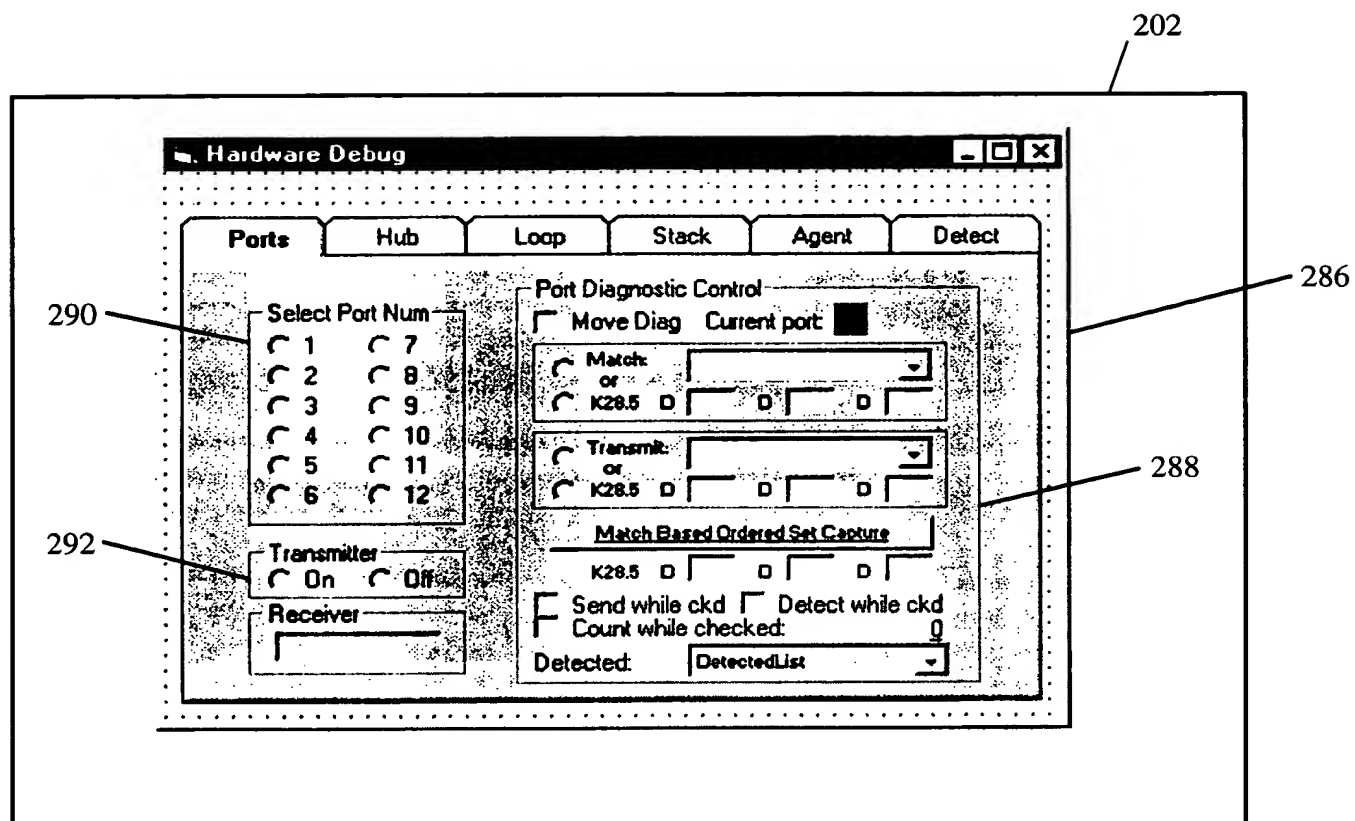


FIGURE 15

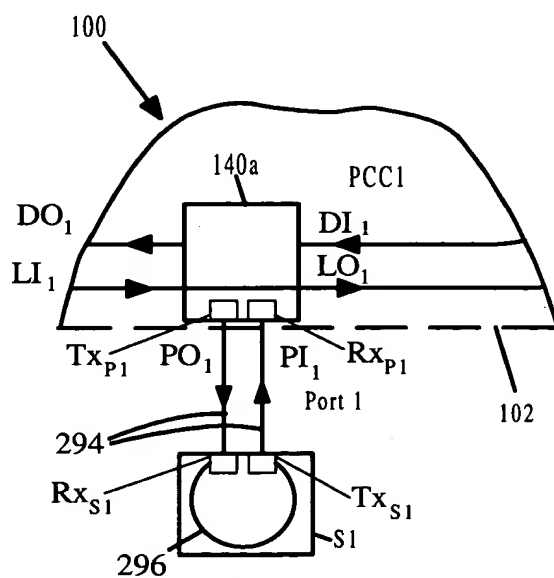


FIGURE 16

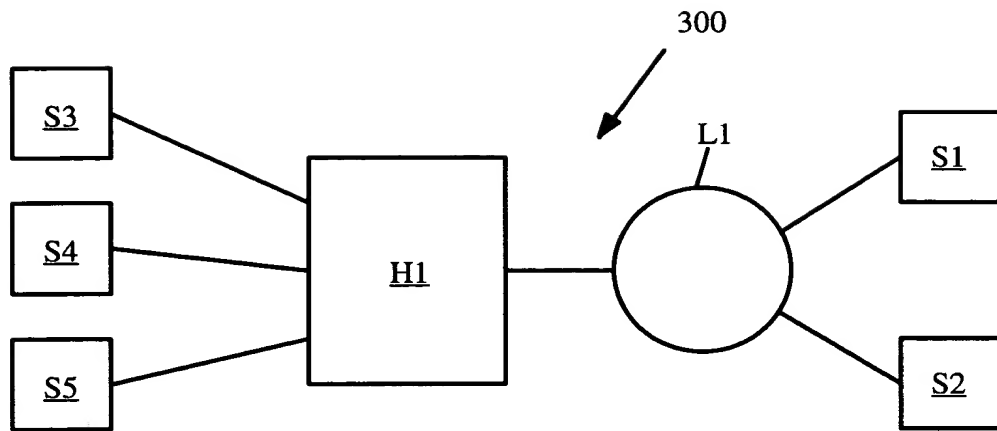


FIGURE 17

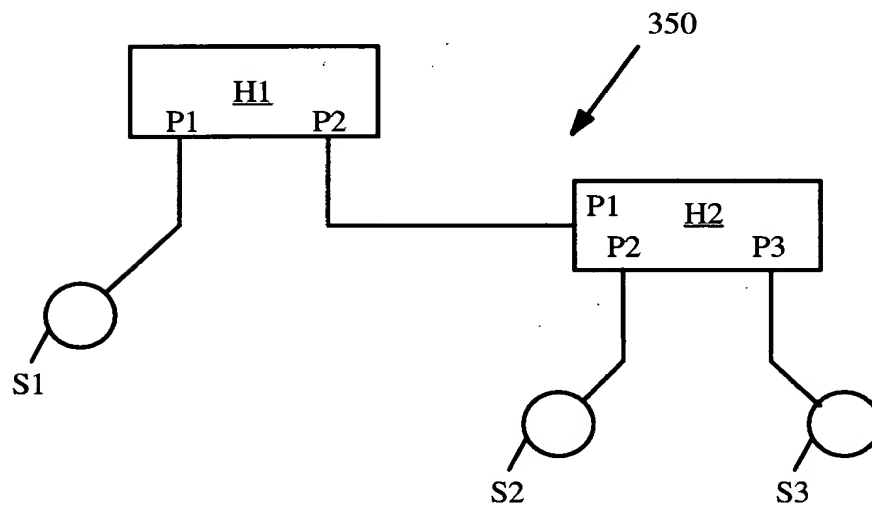


FIGURE 19

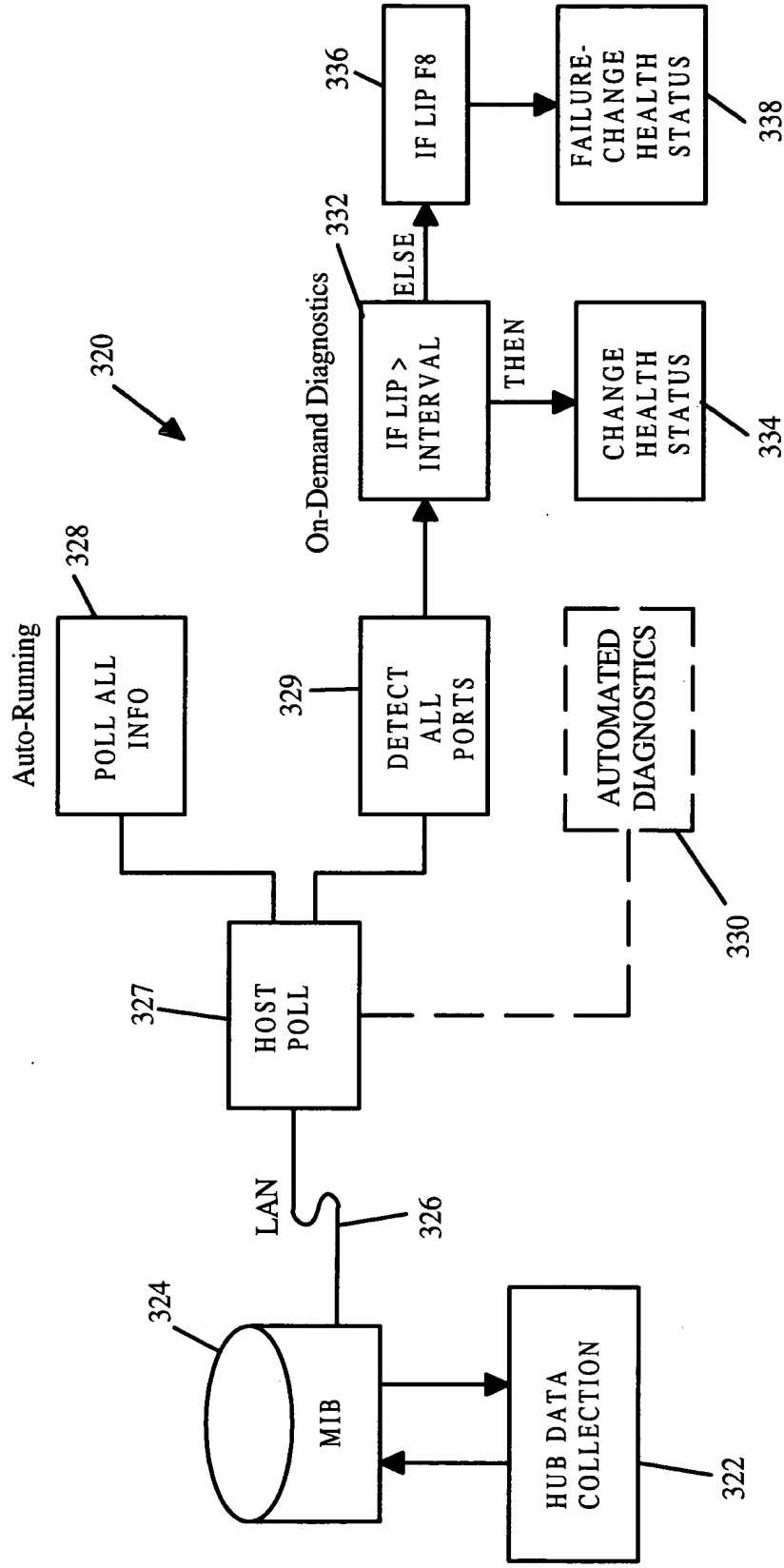


FIGURE 18

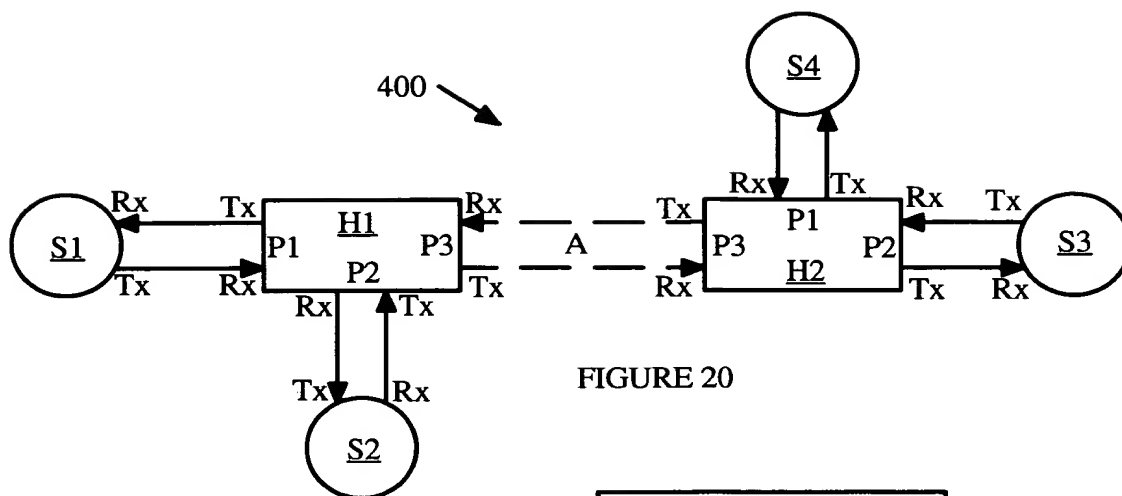


FIGURE 20

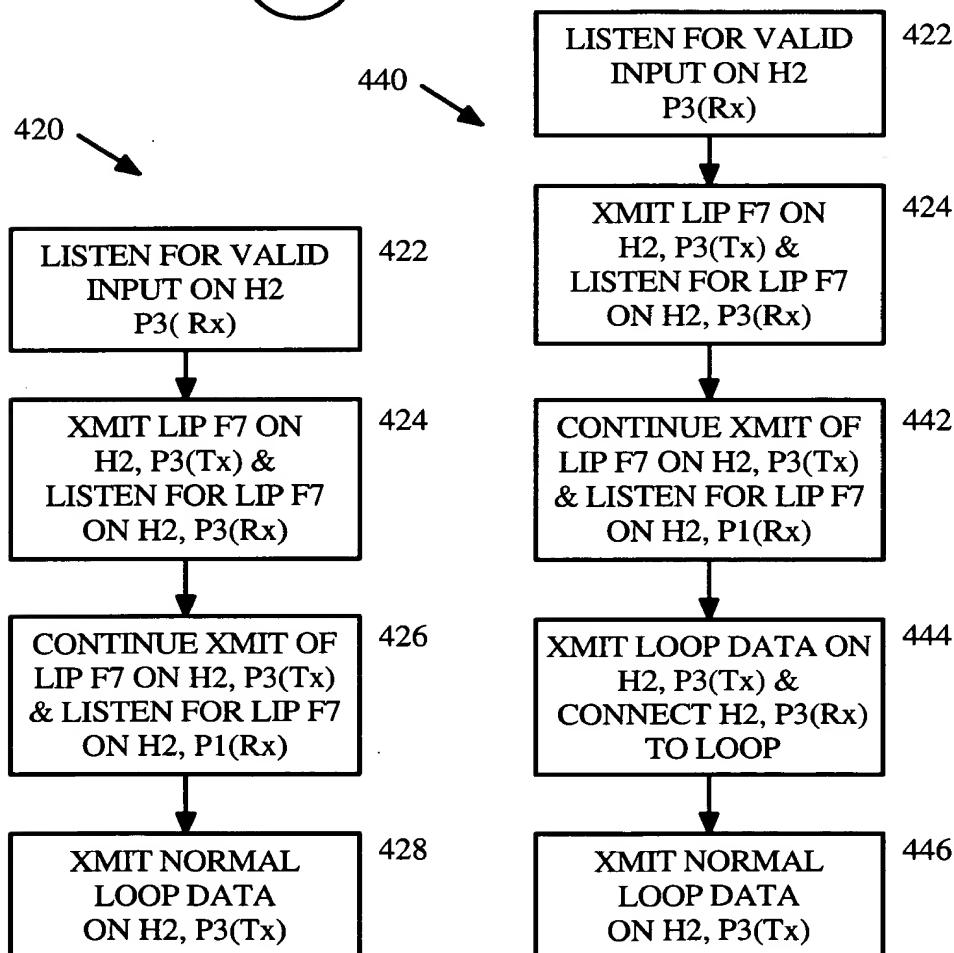


FIGURE 21

FIGURE 22

460

REFCLK	1	○	30	CDR_SELN
LKDT	2		29	DIAG_SELN
VEET	3		28	LOOP_SELN
DIAG_OUT	4		27	DIAG_IN
DIAG_OUTN	5		26	DIAG_INN
VCCE	6		25	VCCG
LOOP_IN	7		24	LOOP_OUT
LOOP_INN	8		23	LOOP_OUTN
VEEG	9		22	VCCE
PORT_IN	10		21	PORT_OUT
PORT_INN	11		20	PORT-OUTN
LKREFN	12		19	VEEE
VEEP	13		18	PORT_SEL0N
LPF1	14		17	PORT_SEL1N
LPF2	15		16	VCCP

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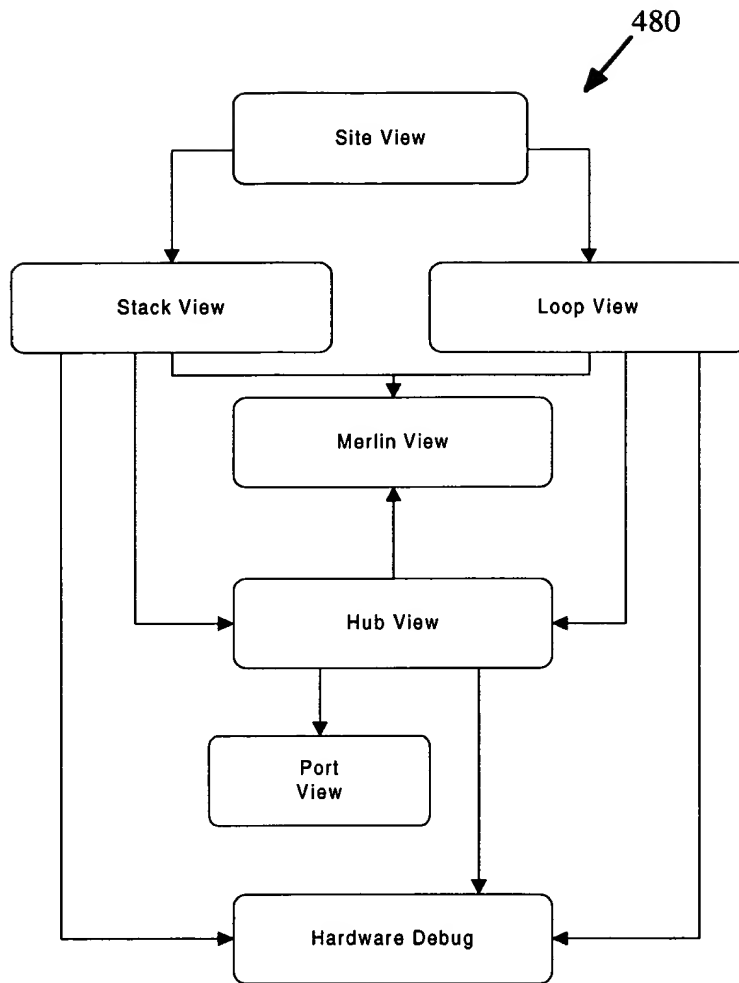


FIGURE 24

520

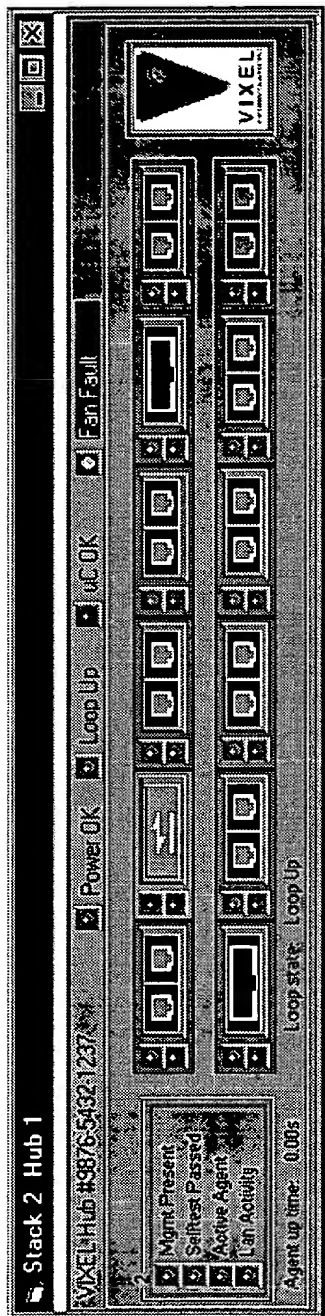


FIGURE 26

540

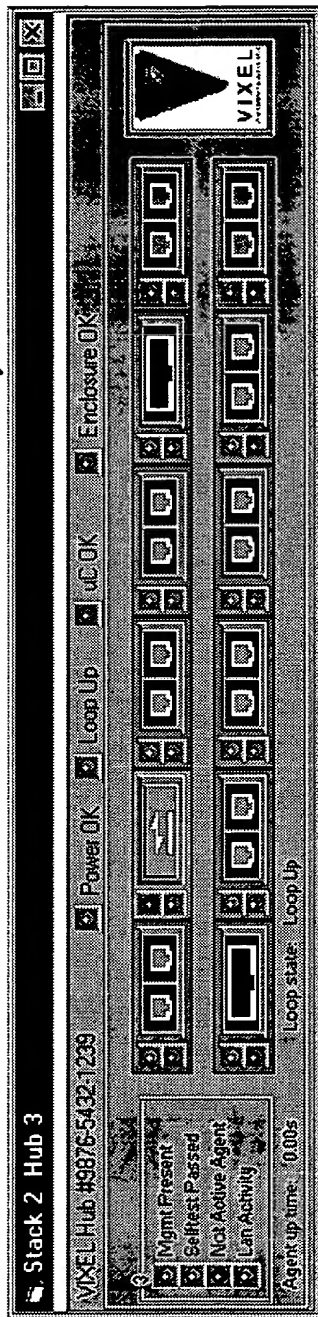


FIGURE 27

560



Merlin Management Card Status Screen

Serial #:	02-00197-0002	Active :	Yes
HW Revision:	01.01	SW Revision:	01.01
Location:	<u>Bldg 54</u>	Name:	<u>Merlin1</u>
IP Address:	<u>24.34.233.148</u>	MAC Address:	080009123456
Priority:	<u>Z</u>	<u>Force Active</u>	
		Mgmt Password:	*****

FIGURE 28

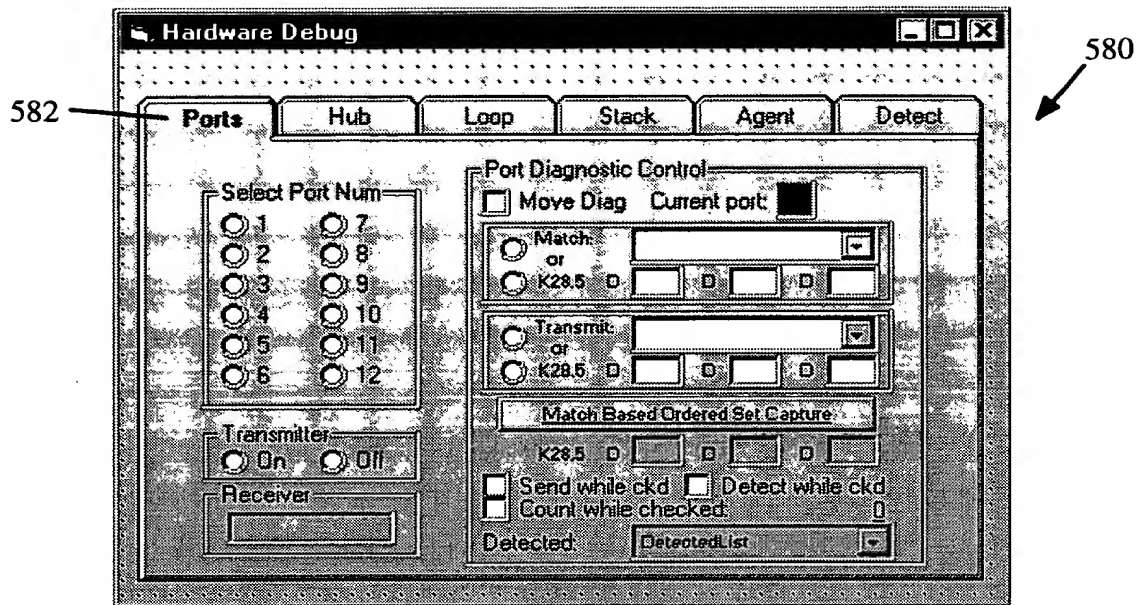


FIGURE 29

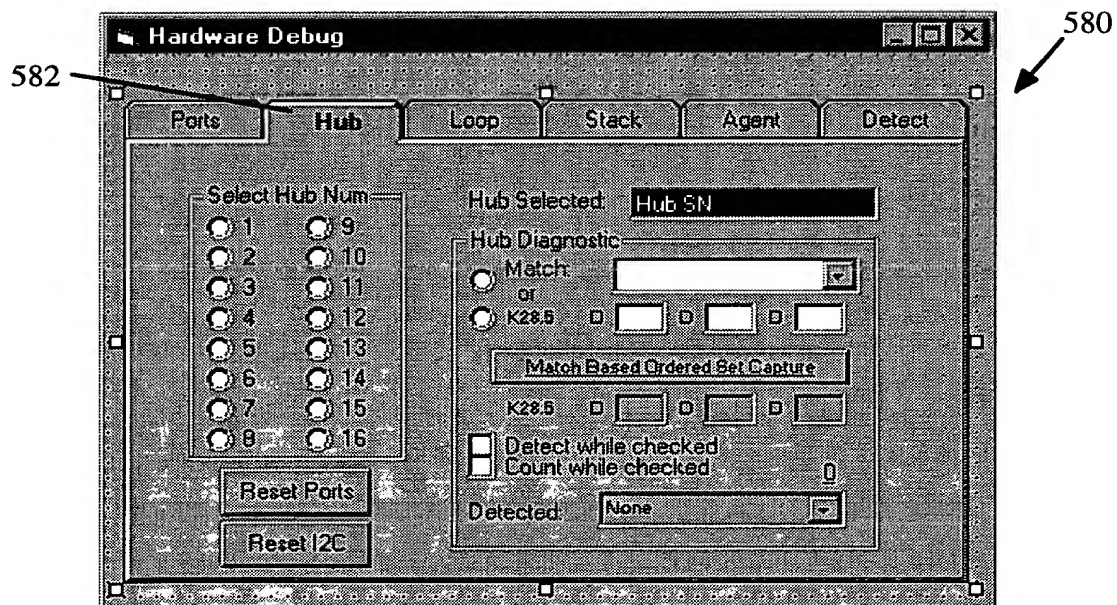


FIGURE 30

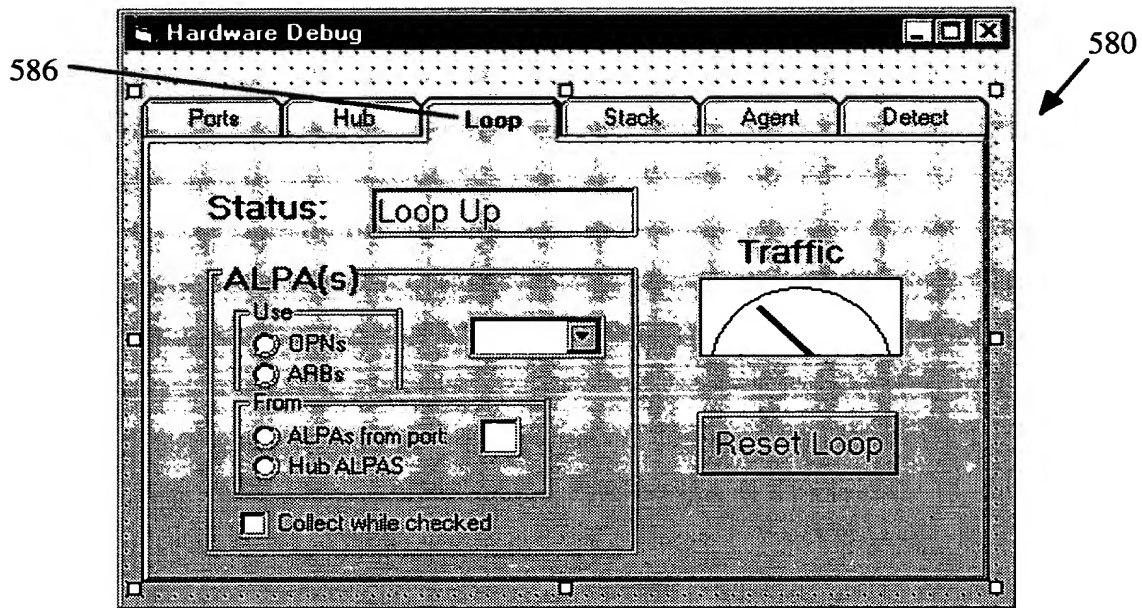


FIGURE 31

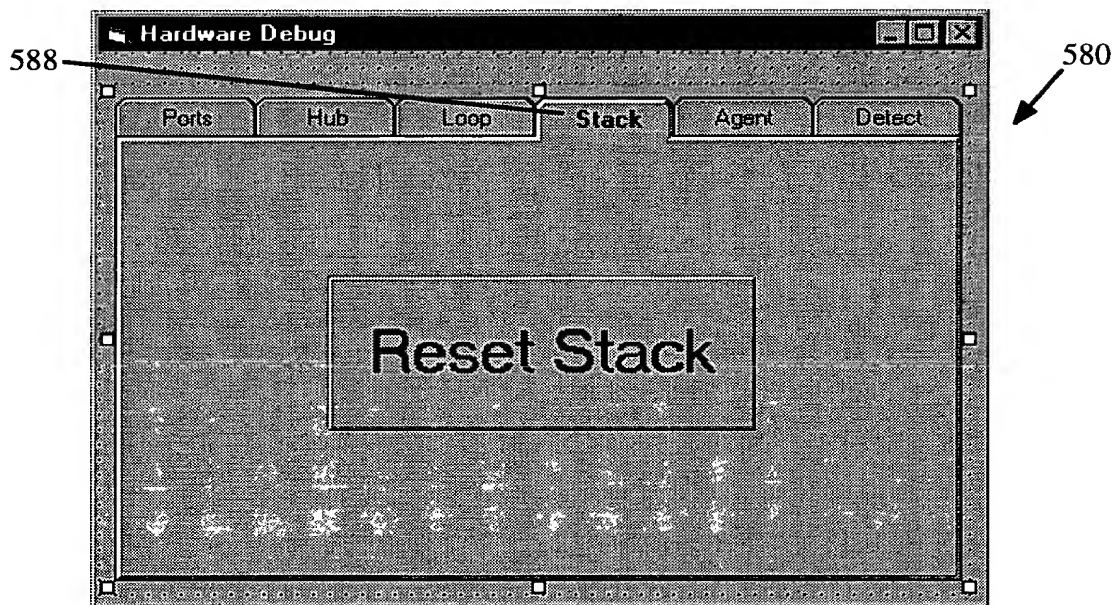


FIGURE 32

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

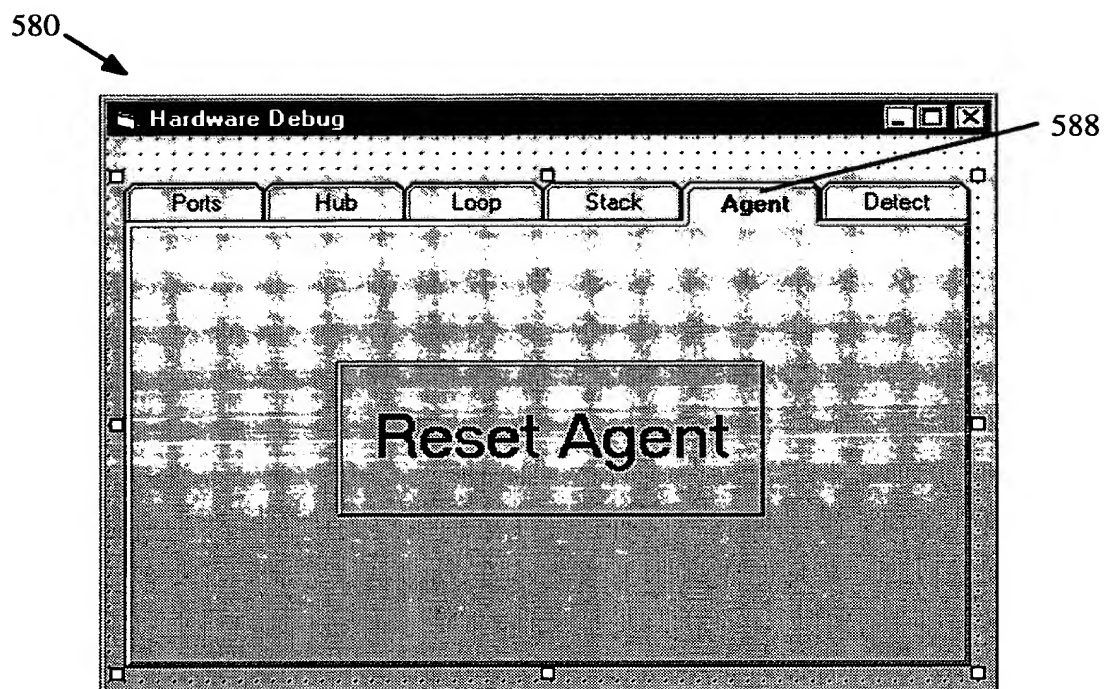


FIGURE 33

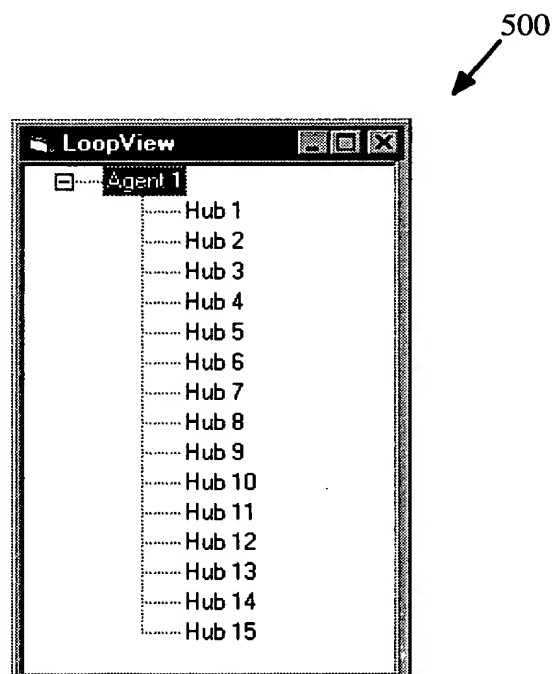


FIGURE 25

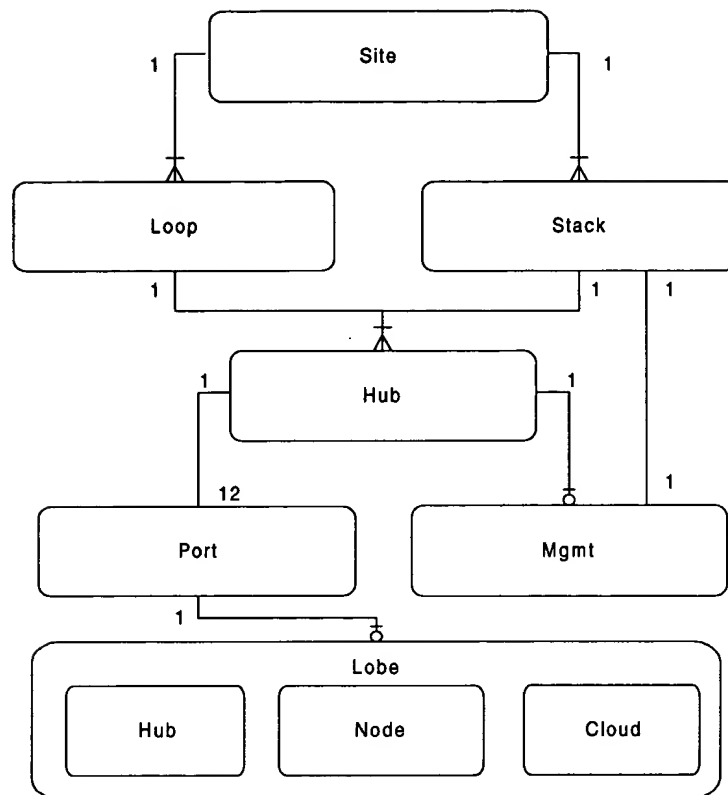


FIGURE 34